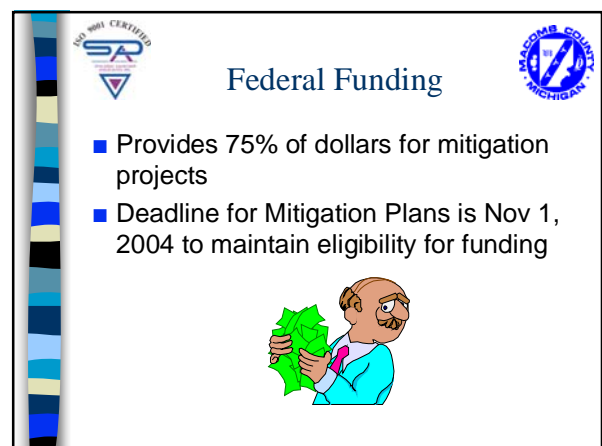
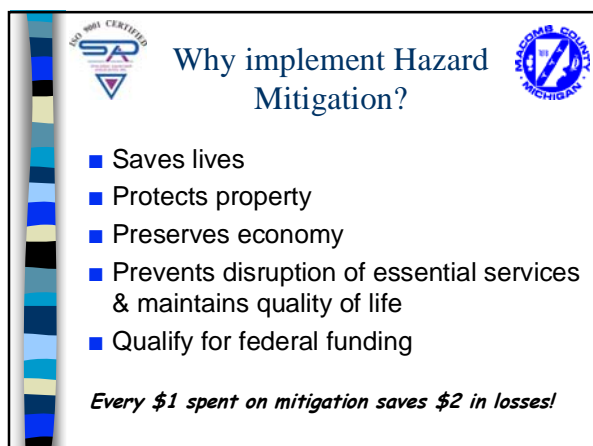
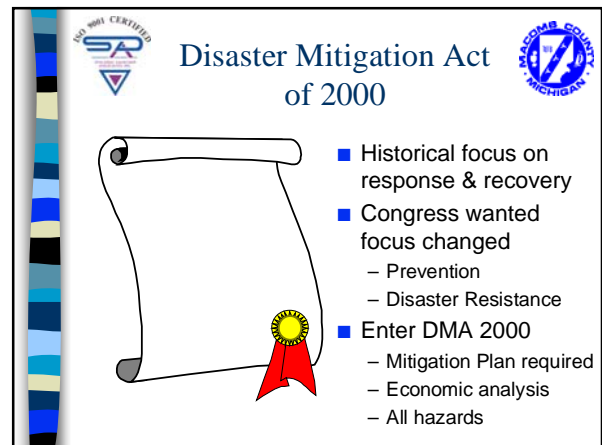
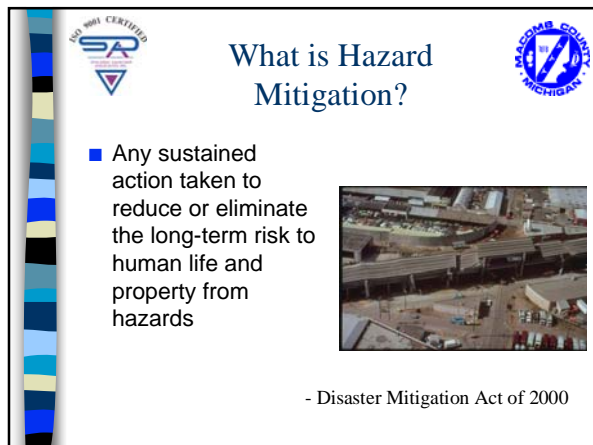
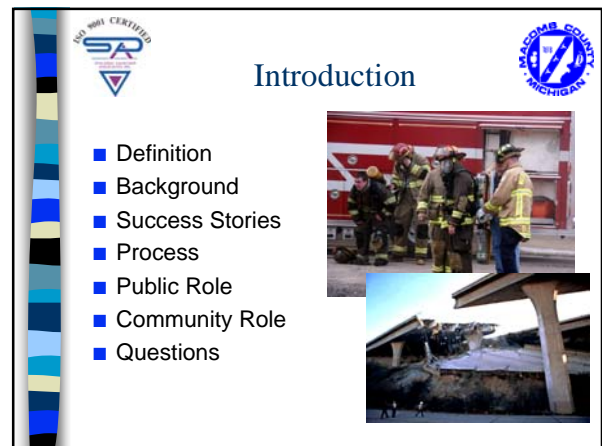
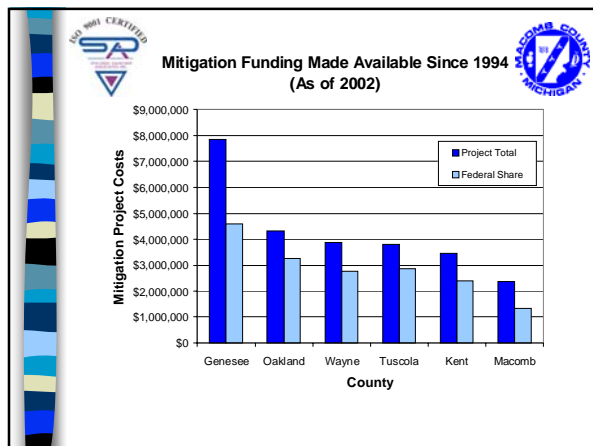


## **B - PRESENTATION**

A presentation was prepared for the Town Hall meetings. The presentation provided information regarding the definition of the Plan, its background, the County's hazard history, success stories, the process involved in preparing the plan, the public's role, and the community's role. A copy of the presentation has been included in this section along with photographs from two of the four presentations.





### The Planning Approach

- Identify hazards and risks
- Determine your vulnerability
- Define goals & objectives to be achieved




### The Planning Approach

- Identify alternative solutions
- Select feasible mitigation strategies
- Prepare a Draft Plan
- Prepare a Final Plan



### Who is involved?

- City, County, State & Federal Officials
- Fire & Police Departments
- Emergency Management Departments
- Public



### Hazard Evaluation

- Likelihood & Frequency of Occurrence
- The Significance of Impact
- Potential Size and Impact of Affected Area

### Vulnerability

Characterized by:

- Critical facilities
- Vulnerable populations
- Economic elements
- Historic, cultural, and natural resource areas



## Vulnerable Sites








-Automotive Plants: GM, Daimler-Chrysler, Ford  
-Malls: Lakeside, Macomb, Universal  
-Parks: Freedom Hill County Park, Dodge Park  
-Military: Selfridge Air National Guard Base, U.S. Army TACOM




## Some Potential Hazards







- Flooding
- Fire Hazards
- Hazardous Materials
- Extreme Weather
  - Tornadoes
  - Thunder/Lightning Storms
- Infrastructure Failures




## Recent Hazards - Drought




- Countywide - July 2001
- \$150 M crop damages
- 11th driest month on record
- affected 16 nearby counties




- National Climatic Data Center Storm Events Webpage




## Recent Hazards - Storms






- Countywide - 7/21/98
- \$7 million property damage
- 75 mph winds
- 600,000 businesses lost power (some up to 1 week)


- National Climatic Data Center Storm Events Webpage



## Recent Hazards - Blackout 2003



- Northeast US - 8/14/03
- Problems arose over a 60 minute timeframe
- Major outages occurred in a span of roughly 5 minutes
- 2.3 million customers in southeast MI without power





## Recent Hazards - Flooding






- Multiple Counties - 5/20/04 to 5/24/04
  - 24 counties declared disaster areas
  - \$9 million in Macomb County road & bridge damage
  - Clinton River north branch swelled 20.3 feet

- National Climatic Data Center Storm Events Webpage




## Recent Hazards - Flooding









## Solving the Problem



- Modify the Hazard
- Isolate the Hazard
- Managing Development
- Altering Design Construction
- Early Warning and Public Education






## Success Stories



- Spaulding Township, Michigan
  - Flint River Flood Control
- Vassar, Michigan
  - House Elevations
- Kinston, North Carolina
  - GIS Implementation




## Flint River Flood Control Spaulding Twp, MI




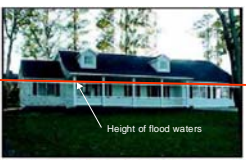
- Relocation of earthen dikes
- Stabilization of overflow channels
- \$100 million in damages in past century
- Project only cost \$5 million






## House Elevations Vassar, MI





- 4 homes selected
- Elevations ranged from 4.2' to 8.2'
- Drops insurance rates
- FEMA paid 75%  
City paid 12.5%  
Homeowners 12.5%







## GIS Implementation Kinston, NC



- Track mitigation efforts
- Access critical information to aid in disaster response
  - number of people residing at a house
  - handicapped/special assistance residents





## What is Public's Role?

- Need residents' perspective
- Get involved
- Identify hazards that concern you most
- Identify specific areas that are vulnerable
- Review plan online
- Suggest solutions
- Support community leaders efforts






## HMP Website

[www.macombcountymi.gov/oem](http://www.macombcountymi.gov/oem)

## What is Community's Role?

- Complete the survey
  - Detailed information
  - Identify community-unique hazards
  - Identify hazard mitigation projects
  - Submit in July 2004
- Participate if we ask for your help
- Review draft Plans & provide input
- Adopt the Plan quickly






## What Does it All Mean?

- Focus is on **Prevention**
- Protects Lives and Property
- Depends on public/community participation
- Plan encompasses **all** hazards
- We need your input!




## Questions or Comments??

## Macomb County Hazard Mitigation Plan Fact Sheet

- What is Hazard Mitigation
  - Any sustained action taken to reduce or eliminate the long-term risk to human life and property from hazards
  - Product is a multi-jurisdictional 'all hazards' Hazard Mitigation Plan that must be adopted by Macomb County and all of its communities
- Focus is on Prevention
  - Protects Lives, Property, Economy
  - Qualifies Macomb County and local communities to receive Federal Emergency Mitigation/Recovery Funding
  - Depends on public/community participation
- To participate or for more information, visit the Macomb County Office of Emergency Management's website at [www.macombcountymi.gov/oem](http://www.macombcountymi.gov/oem)
- We need your input!











File: UI 04007.02

6/24/04







6/24/04 FILE: UT 04007.02





6/24/04 FILE: JI 0900702